

Question	Answer
18.	$\angle J, \angle L, \angle K$
19.	$\overline{RS}, \overline{ST}, \overline{RT}$
23.	Yes; the sum of each pair of 2 lengths is greater than the third.
25.	No; when $m = 3$, the value of $m + 11 = 14$, the value of $8m$ is 24, and the value of $m^2 + 1$ is 10. The sum of 14 and 10 is 24, which is not greater than the third side length.
29.	greater than 1.18 m and less than 4.96 m
31.	greater than $2\frac{2}{3}$ ft and less than $10\frac{1}{3}$ ft
32.	$\overline{AD}, \overline{BD}, \overline{AB}, \overline{BC}, \overline{CD}$; possible answer: in $\triangle ABD$, $m\angle ABD = 50^\circ$. In $\triangle BCD$, $m\angle DBC = 74^\circ$. In $\triangle ABD$, the order of the tubes from shortest to longest is $\overline{AD}, \overline{BD}, \overline{AB}$. In $\triangle BCD$, the order of the tubes from shortest to longest is $\overline{BD}, \overline{BC}, \overline{CD}$. So $AD < BD < AB$, and $BD < BC < CD$. Since $AB = 50.8$ and $BC = 54.1$, it is also true that $AB < BC$. So $\overline{AD} < \overline{BD} < \overline{AB} < \overline{BC} < \overline{CD}$.
48.	$>$
59a.	$0.4 \text{ h} < t < 2 \text{ h}$
59b.	No; $AR < 1000$, so by the \triangle Inequal. Theorem, AM must be less than 1800.
62.	$2 < n < 8$